

Applicants:

Gregory A Demopulos et al.

Attorney Docket No: PH.1.0006.US2

Serial No:

10/674,290

Group Art Unit: 1614

Filed:

September 29, 2003

Examiner: Brian Yong S. Kwon

Title:

VASCULAR IRRIGATION SOLUTION AND METHOD FOR INHIBITION OF

PAIN, INFLAMMATION, SPASM AND RESTENOSIS

U.S. PATENT DOCUMENTS

*Examiner		Document No.		
<u>Initial</u>	ID		Date	Name
ВК	U252	5,446,070	08/29/1995	Mantelle
BK	U279	US 6,197,325 B1	03/06/2001	MacPhee et al.

Examiner	····	Date Considered		_
	/Brian-Yong Kwon/		08/30/2006	

^{*}Examiner: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

MSK:sj

OMEROS CORPORATION 1420 Fifth Avenue Suite 2600 Seattle, Washington 98101 206.623.4688

ORMATION CITED BY APPLICANTS THAT MAY BE MATERIAL TO THE PROSECUTION OF THE SUBJECT APPLICATION

Applicants:

Gregory A Demopulos et al.

Attorney Docket No: PH.1.0006.US2

Serial No:

10/674,290

Group Art Unit: 1614

Filed:

September 29, 2003

Examiner: Brian Yong S. Kwon

Title:

VASCULAR IRRIGATION SOLUTION AND METHOD FOR INHIBITION OF

PAIN, INFLAMMATION, SPASM AND RESTENOSIS

U.S. PATENT DOCUMENTS

*Examiner		Document No.			
Initial	ID		Date	Name	
ВК	U839	5,124,392	06/23/1992	Robertson et al.	_

Examiner	Date Considered		
/Brian-Yong Kwon/	08/30/2006		

^{*}Examiner: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

MSK:sj

OMEROS CORPORATION 1420 Fifth Avenue Suite 2600 Seattle, Washington 98101 206.623.4688

NFORMATION CITED BY APPLICANTS THAT MAY BE MATERIAL TO THE PROSECUTION OF THE SUBJECT APPLICATION

G.A. Demopulos et al.

Attorney Docket No: PH.1.0006.US2

Serial No:

10/674,290

Group Art Unit: 1614

Filed:

September 29, 2003

Examiner: Brian Yong S. Kwon

Title:

VASCULAR IRRIGATION SOLUTION AND METHOD FOR INHIBITION OF

PAIN, INFLAMMATION, SPASM AND RESTENOSIS

U.S. PATENT DOCUMENTS

*Examiner		Document No.		
Initial	ID		Date	Name
BK —	Ul	4,504,493	03/12/1985	Marshall et al.
	U5	5,051,443	09/24/1991	Neufeld et al.
	U6	5,272,139	12/21/1993	Cary
	U11	4,872,865	10/10/1989	Bloebaum et al.
	U14	4,938,970	07/1990	Hustead et al.
	U16	5,304,724	04/19/1999	Newton, W.
	U19	5,411,743	05/02/1995	Moore et al.
	U24	5,288,725	02/22/1994	Witherup et al.
	U25	4,640,912	02/03/1987	Hausman, M.
	U27	5,525,357	06/11/1996	Keefer et al.
	U28	5,536,241	07/16/1996	Zapol, W.
	U29	5,512,055	04/30/1996	Domb et al.
	U30	5,019,601	05/28/1991	Allen, Deceased
	U36	5,482,925	01/09/1996	Hutsell
	U37	5,370,614	12/06/1994	Amundson et al.
	U38	5,336,178	08/09/1994	Kaplan et al.
	U39	5,620,687	04/15/1997	Hart et al.
	U45	4,525,359	06/25/1985	Greenway, III et al.
4	U56	4,880,791	11/14/1989	Weithmann et al.
-	U62	5,618,563	04/08/1997	Berde et al.
<u> </u>	U63	5,658,955	08/19/1997	Hitzig

BI	K	U70	5,744,482	04/28/1998	Cohen et al.
		U79	4,659,714	04/21/1987	Watt-Smith
		U164	5,800,385	09/01/1998	Demopulos et al.
		U165	5,820,583	10/13/1998	Demopulos et al.
		U183	5,994,372	11/30/1999	Yaksh
		U209	5,942,241	8/24/1999	Chasin et al.
		U213	5,767,105	06/16/1998	Peyman
		U272	5,858,017	01/12/1999	Demopulos et al.
		U273	5,860,950	01/19/1999	Demopulos et al.
		U274	6,210,394	-04/03/2001	Demopulos et al.
		U275	6,242,447 B1	06/05/2001	Demopulos et al.
		U276	6,254,585 B1	07/03/2001	Demopulos et al.
_		U277	6,261,279 B1	07/17/2001	Demopulos et al.
_		U278	. 6,056,715	05/02/2000	Demopulos et al.
		U279	5,446,070	8/29/1995	Mantelle
		U280	5,610,184	3/11/1997	Shahinian, Jr.
_		U281	5,667,764	9/16/1997	Kopia et al.
\perp		U282	5,480,901	1/2/1996	Baker et al.
_		U284	6,306,820 B1	10/23/2001	Bendele et al.
		U285	5,180,812	1/19/1993	Dower et al.
_		U425	5,523,316	06/24/1996	Gan et al.
		U491	6,413,961	07/02/2002	Demopulos et al.
_		U492	6,420,432	07/16/2002	Demopulos et al.
	/	U553	5,624,893	04/29/1997	Yanni
		U646	6,645,168	11/11/2003	Demopulos et al.

FOREIGN PATENT DOCUMENTS

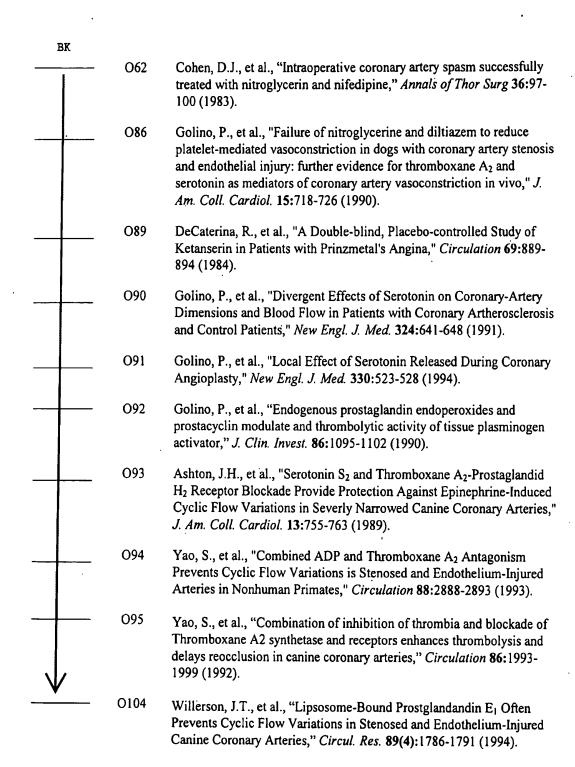
*Examiner Initial	ΙD	Document No.	Publication Date	Country	Translation Provided
	·				Yes No
BK	Fl	WO 95/16435	06/22/1995	PCT	X
	F2	EP 0,364,266 A2	04/18/1990	European	X
	F7	WO 92/04008	03/19/1992	PCT	X
	F8	EP 0,351,755	01/24/1990	European	X
	F9	WO 95/27482	10/19/1995	PCT	X
	F10	WO 91/04058	04/04/1991	PCT	X
	F16	WO 96/29074	09/26/1996	European	X
	F29	WO 96/26738	09/06/1996	European	X
	F83	EP 0,715,855 A2	06/12/1996	European	X
$\overline{\mathbf{V}}$	F84	EP 0,710,479 B1	01/07/1999	European	X

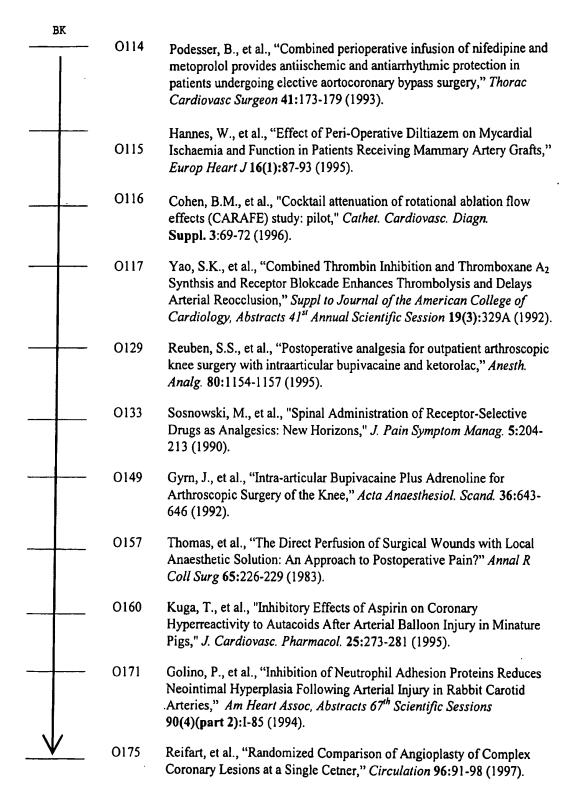
OTHER INFORMATION (Including Author, Title, Date, Pertinent Pages, Etc.)

*Examiner		
Initial	<u>ID</u>	Document Information
<u> </u>	O01	Thulesius, O., et al., "Ketanserin in intermittent claudication: effect on walking distance, blood pressure, and cardiovascular complications," <i>J. Cardiovasc. Pharmacol.</i> 9:728-733 (1987).
-	O02	Hedner, T., et al., "Effects of a new serotonin antagonist, ketanserin, in experimental and clinical hypertension," Am. J. Hypertens. 1:317S-323S (1988).
	O03	Hof, R.P., et al., "Antiarrhythmic and hemodynamic effects of tropisetron in anesthetized rabbits," <i>J. Cardiovasc. Pharmacol.</i> 22:499-505 (1993).
	O05	Naesh, O., et al., "Platelet activation in mental stress," Clin. Physiol. 13:299-307 (1993).
<u> </u>	O06	Evans, R.G., et al., "Effects of 5-HT-receptor and alpha 2-androceptor ligands on the haemodynamic response to acute central hypovolemia in conscious rabbits," <i>Br. J. Pharmacol.</i> 109:37-47 (1993).

BK I	O07	Van Hemelrijck, J., et al., "Blood pressure management during aortic surgery: urapidil compared to isosorbide dinitrate," <i>J. Cardiothorac. Vasc. Anesth.</i> 7:273-278 (1993).
+	O08	Evans, R.G., et al., "A CNS serotonergic mechanism in acute central hypovolemia in conscious rabbits?" <i>J. Cardiovasc. Pharmacol.</i> 19:1009-1017 (1992).
	O10	Vyssoulis, G.P., et al., "Left ventricular hypertrophy regression and function changes with ketanserin in elderly hypertensives," <i>Cardiovasc. Drugs Ther.</i> 4:81-84 (1990).
	O11	Sigal, S.L., et al., "Effects of Serotonin-Receptor Blockade on Angioplasty-Induced Vasospasm in an Atherosclerotic Rabbit Model," <i>Arterioscler. Thrombosis</i> 11:770-783 (1991).
	O12	Kalsner, S., et al., "Coronary arteries of cardiac patients are hyperreactive and contain stores of amines: a mechanism for coronary spasm," <i>Science</i> 223:1435-1437 (1984).
	O13	Willerson, J.T., et al., "Specific Platelet mediators and unstable coronary artery lesions," <i>Circulation</i> 80:198-205 (1989).
	O14	Saxena, P.R., et al., "Cardiovascular effects on serotonin agonists and antagonists," <i>J. Cardiovasc. Pharmacol.</i> 15:S17-S34 (1990).
	016	Ashton, J.H., et al., "Serotonin as a mediator of cyclic flow variations in stenosed canine coronary arteries," <i>Circulation</i> 73:572-578 (1986).
	O20	Kessler, W., et al., "Excitation of cutaneous afferent nerve endings in vitro by a combination of inflammatory mediators and conditioning effect of substance P," <i>Exp. Brain Res.</i> 91:467-476 (1992).
	O23	Levine, J.D., et al., "Desipramine enhances opiate postoperative analgesia," <i>Pain</i> 27:45-49 (1986).
	O26	Ringkamp, M., et al., "Activated human platelets in plasma excite nociceptors in rat skin, in vitro," <i>Neurosci. Lett.</i> 170:103-106 (1994).
<u> </u>	O32	Buzzi, M.G., et al., "The antimigraine drug, sumatriptan (GR43175), selectively blocks neurogenic plasma extravasation from blood vessels in dura mater," <i>Br. J. Pharmacol.</i> 99: 202-206 (1990).

O33	Buzzi, M.G., et al., "5-Hydroxytryptamine receptor agonists for the abortive treatment of vascular headaches block mast cell, endothelial and platelet activation within the rat dura mater after trigeminal stimulation," <i>Brain Res.</i> 583:137-149 (1992).
 O34	Zochodne, D.W., et al., "Sumatriptan blocks neurogenic inflammation in the peripheral nerve trunk," <i>Neurology</i> 44:161-163 (1994).
O37	Schwartz, M.M., et al., "Vascular leakage in the kidney and lower urinary tract: effects of histamine, serotonin and bradykinin," <i>Proc. Soc. Exp. Biol. Med.</i> 140:535-539 (1972).
O38	Holliman, C.J., et al., "The effect of ketanserin, a specific serotonin antagonist, on burn shock hemodynamic parameters in a porcine burn model," <i>J. Trauma</i> 23:867-871 (1983).
O39	Serruys, P.W., et al., "Evaluation of ketanserin in the prevention of restenosis after percutaneous transluminal coronary angioplasty; a multicenter randomized double-blind placebo-controlled trial," <i>Circulation</i> 88:1588-1601 (1993).
 O40	Cohen, B.M., et al., "Intracoronary cocktail infusion during rotational ablation: safety and efficacy," <i>Transcatheter Cardiovascular Therapeutics</i> (1995).
O42	Araki, H., et al., "Longitudinal Propagation of Contradiction in the Isolated Conduit Coronary Arteries of Humans and Pigs," <i>Circulation Research</i> 64(4):734-741 (1989).
O43	Berkenboom, G., et al., "Atherosclerosis and responses of human isolated coronary arteries to endothelium-dependent and -independent vasodilators," <i>J. Cardiovasc. Pharmacol.</i> 14:S35-S39 (1989).
O44	Kaumann, A.J., et al., "Variable participation of 2HT1-like receptors and 5-HT1 receptors in serotonin-induced contraction of human isolated coronary arteries," <i>Circulation</i> 90:1141-1153 (1994).
O45	Quast, U., et al., "Cellular Pharmacology of Potassium Channel Openers in Vascular Smooth Muscle," <i>Cardiovascular Research</i> 28:805-810 (1994).
 O61	Liu, J.J., et al., "Synergystic Effect of Nisoldipine and Nitroglycerin on Human Internal Mammary Artery," J. Pharmacol. Exp. Therapeutics 268(1):434-440 (1994).

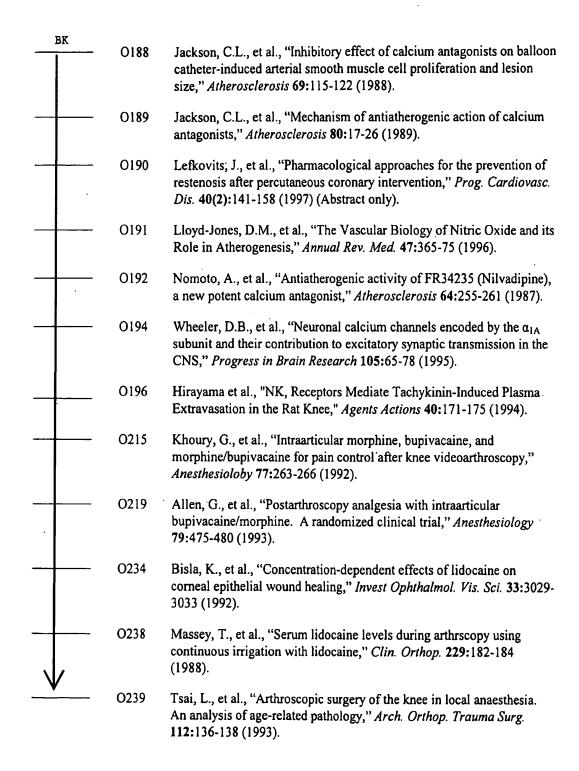




BK		
	O176	Yao, S.K., et al., "Endogenously Produced EDRF Protects Against Platelet Aggregation and Cyclic Flow variations in Stenosed and Endothelium-Injured Arteries," Suppl to Journal of the American College of Cardiology, Abstracts 41 st Annual Scientific Session 19(3):376A (1992).
	0177	Liu, M.W., et al., "Intraluminal Alcohol Delivery Reduced Intimal Hyperplasia after Ballon Injury in Pig Coronary Arteries. A Concept of Chemical Atherectomy," Am Heart Assoc, Abstracts 66 th Scientific Sessions 88(4)(part 2):I-655 (1993).
	O178	Willerson, J.T., et al., "Pretreatment with Antagonists to Thromboxane A ₂ , Serotonin and ADP Reduces Neointimal Proliferation in Canine Coronary Arteries after Endothelial Injury," J. Am. Coll. Cardiol. Incomplete Data: 906-32(1994).
	O179	Liu, M. et al., "A Preliminary Report of Local Alcohol Delivery for Treatment of Restensosi within Stented Segments After Successful Caoronary Angioplasty. The Safety Study of Local Alcohol and Stent Against Restensosis (LASAR) Trial." Joaurnal of the American College of Cardiology, Abstracts 45th Annual Scientific Session 112A (1996).
	O180	Knorr, A.M. "Why is Nisoldipine a Specific Agent in Ischemic Left Ventricular Dysfunction?" Am. J. Cardiol. 75:36E-40E (1995).
·	O181	Pierce, P.A., et al., "Dual Effect of the Serotonin Agonist, Sumatriptan, on Peripheral Neurogenic Inflammation," Reg. Anesth. 21:219-225 (1996).
	O183	Herrman et al., "Pharmacological Approaches to the Prevention of Restenosis Following Angioplasty," <i>Drugs</i> 46:18-52 (1993).
	O184	Vahanian et al., "Role of Calcium Channel Blockers in Reducing Acute Ischemia and Preventing Restenosis in PCTA," <i>Drugs</i> 52:9-15 (1996).
	O185	Narayanan et al., "Recombinant Hirudin: Initial Observations in Reconstructive Microsurgery," <i>Haemostasis</i> 21:168-171 (1991).
	O186	el-Sanadiki, M.N., et al., "Reduction of Intimal Hyperplasia and Enhanced Reactivity of Experimental Vein Bypass Grafts with Verapamil Treatment," Ann. Surg. 212:87-96 (1990).
<u> </u>	O187	Gibbons, G.H., et al., "Molecular Therapies for Vascular Diseases," Science 272:689-693 (1996).

/Brian-Yong Kwon/

08/30/2006



BK	O242	Klein, J.A., "Turnescent Liposuction and Improved Postoperative Care Using Turnescent Liposuction Garments," <i>Dermatologic Clinics</i> 13:329-338 (1995).
	O244	Klein, J.A., "The Tumescent Technique Anesthesia and Modified Liposuction Technique," <i>Dermatologic Clinics</i> 8:425-437 (1990).
-	O246	Ostad et al., "Tumescent Anesthesia with a Lidocaine Dose of 55 mg/kg is Safe for Liposuction" <i>Dermatol Surg</i> 22:921-927 (1996).
	O253	Wredmark, et al., "Arthroscopy Under Local Anaesthesia Using Controlled Pressure-Irrgation With Prilocaine," <i>J Bone Joint Surg</i> 64 :583-585 (1982).
+-	O367	Talke, P., et al., "Effects of perioperative dexmedetomidine infusion in patients undergoing vascular surgery. The Study of Perioperative Ischemia Research Group," <i>Anesthesiology</i> 82:620-633 (1995).
+	O842	Ben-David et al., "Is Preoperative Ketorolac A Useful Adjunct To Regional Anesthesia For Inguinal Herniorrhaphy?" Acta Anaesthesiol Scana 40:358-363 (1996).
	O843	Hyrkäs et al., "Effective Postoperative Pain Prevention Through Administration Of Bupivacaine And Diclofenac," <i>Anesth Prog</i> 41:6-10 (1994).
	O844	Glasser et al., "The Perioperative Use Of Corticosteroids And Bupivacaine In The Management Of Lumbar Disc Disease," <i>J Neurosurg</i> 78: 383-387 (1993).
<u>V</u>	O845	Dionne et al., "Suppression Of Postoperative Pain By The Combination Of A Nonsteroidal Anti-Inflammatory Drug, Flurbiprofen, And A Long-Acting Local Anesthetic, Etidocaine," <i>JADA</i> 108:598-601 (1984).

Examiner	Date Considered
	08/30/2006
/Brian-Yong Kwon/	

^{*}Examiner: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

MSK:sj